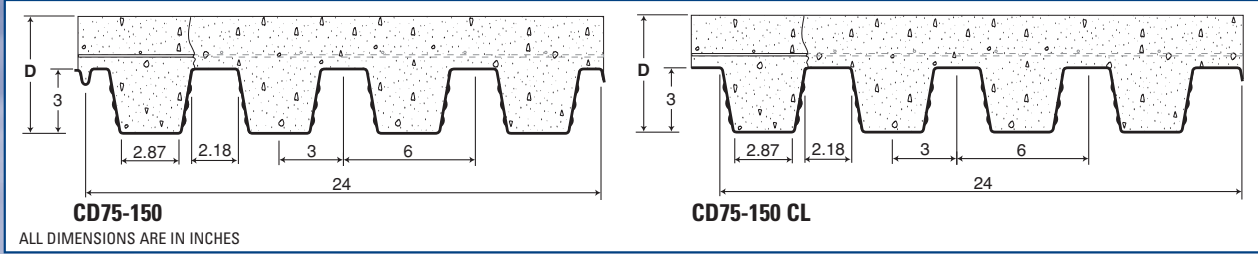


# Composite Deck Inverted (Galvanneal) A25 CD75-150/CD75-150 CL



## Steel Deck Section Properties (Per Foot of Width)

Base Steel Thickness (in.)	Weight A25 Galvanneal (psf)	Area of Steel (in <sup>2</sup> )	Yield Stress (KSI)	Section Modulus (in <sup>3</sup> )		Deflection Inertia Midspan (in <sup>4</sup> )
				Midspan	Support	
0.030	2.34	0.672	33	0.492	0.485	0.906
0.036	2.80	0.806	33	0.623	0.621	1.10
0.048	3.71	1.07	33	0.898	0.882	1.46
0.060	4.63	1.34	33	1.12	1.12	1.82

## Composite Slab Properties (Per Foot of Width)

Overall Slab Depth, D (in.)	Slab Weight (psf)					Concrete Volume (yd <sup>3</sup> /100ft <sup>2</sup> )				
	5.0	5.5	6.0	6.5	7.0	5.0	5.5	6.0	6.5	7.0
5.0	50.5	56.8	63.0	69.3	75.5	1.13	1.29	1.44	1.60	1.75

## Load Table

Live Load Factor = 1.5; Importance Factor (I<sub>S-SLS</sub>) = 0.90; Importance Factor (I<sub>S-ULS</sub>) = 1.0

### Maximum Specified Uniformly Distributed Loads (psf)

Base Steel (in.)	Slab Depth, D (in.)	5.0			5.5			6.0			6.5			7.0		
		Deck Span			Deck Span			Deck Span			Deck Span			Deck Span		
		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
0.030	9'-0"	236	236	236	269	269	269	302	302	302	335	335	335	368	368	368
	9'-6"	219	219	219	249	249	249	280	280	280	311	311	311	341	341	341
	10'-0"	204	204	204	232	232	232	261	261	261	289	289	289	317	317	317
	10'-6"	190	190	190	217	217	217	244	244	244	270	270	270	297	297	297
	11'-0"	179	179	179	203	203	203	228	228	228	253	253	253	278	278	278
0.036	10'-0"	224	224	224	255	255	255	286	286	286	317	317	317	349	349	349
	10'-6"	207	207	207	236	236	236	265	265	265	294	294	294	323	323	323
	11'-0"	193	193	193	220	220	220	247	247	247	274	274	274	301	301	301
	11'-6"	180	180	180	206	206	206	231	231	231	256	256	256	281	281	281
	12'-0"	169	169	169	193	193	193	216	216	216	240	240	240	264	264	264
0.048	10'-6"	227	227	227	259	259	259	291	291	291	322	322	322	354	354	354
	11'-0"	209	209	209	238	238	238	268	268	268	297	297	297	326	326	326
	11'-6"	193	193	193	220	220	220	248	248	248	275	275	275	302	302	302
	12'-0"	179	179	179	205	205	205	230	230	230	255	255	255	280	280	280
	12'-6"	167	167	167	191	191	191	214	214	214	237	237	237	261	261	261
	13'-0"	156	156	156	178	178	178	200	200	200	222	222	222	244	244	244
	13'-6"	146	146	146	167	167	167	187	187	187	208	208	208	228	228	228
	14'-0"	137	137	137	157	157	157	176	176	176	195	195	195	214	214	214
	14'-6"	129	129	129	147	147	147	165	165	165	184	184	184	202	202	202
0.060	11'-0"	209	209	209	238	238	238	267	267	267	297	297	297	326	326	326
	11'-6"	193	193	193	220	220	220	247	247	247	274	274	274	301	301	301
	12'-0"	179	179	179	204	204	204	229	229	229	255	255	255	280	280	280
	12'-6"	167	167	167	190	190	190	214	214	214	237	237	237	260	260	260
	13'-0"	156	156	156	178	178	178	200	200	200	221	221	221	243	243	243
	13'-6"	146	146	146	166	166	166	187	187	187	207	207	207	228	228	228
	14'-0"	137	137	137	156	156	156	176	176	176	195	195	195	214	214	214
	14'-6"	129	129	129	147	147	147	165	165	165	183	183	183	201	201	201
	15'-0"	122	122	122	139	139	139	156	156	156	173	173	173	190	190	190
15'-6"	115	115	115	131	131	131	147	147	147	164	164	164	180	180	180	

- Note: 1 - One shore support required at midspan in shaded areas.  
 2 - Slab Weight includes steel deck and concrete slab, which has been accounted for in load table.  
 3 - See Designer Notes - Composite Slab.  
 4 - See Designer Notes - Web Crippling for important notes regarding Web Crippling design.  
 5 - For G90 deck material, contact Agway Metals for composite load tables.  
 6 - Bundled deck produced from either Galvanneal or G90 Galvanized coated steel is susceptible to storage stain when exposed to the elements. This staining is superficial only and is not a valid reason for rejection of this product.